

Innovative CTE Curriculum Grant – Round 2 Awardees

- **Newton County Schools (Region 1)**
 - Grant Funds Allocated: \$339,571
 - Private Matching Funds: \$135,050
 - Sector: Agriculture
 - Key Partners: Fair Oaks Farms, Peterson's Ag Service, Monsanto, Newton County Surveyor's Office, Ivy Tech, local farmers
 - Start Date: Fall 2015
 - Metrics:
 - 280 students enrolled
 - 82% earning certifications (230 students)
 - Serv-Safe, Pre-PACPro-Start, AutoDesk
 - 55% earning dual credits (155 students)
 - Highlights:
 - New curriculum includes three sections:
 1. Precision Farming: Merges intro and advanced agriculture courses with STEM-focused PLTW courses
 2. Agritourism: Organic food and the farm-to-table concept
 3. Aquaponics: Including science, business, and marketing components
 - Will provide hands-on lab experiences for students in using GPS guided tractors, automated fertilizer dispensers that adjust for varying field types, and remote-guided drones for geospatial mapping
 - All proposed dual credit courses are or will be aligned to Ivy Tech's dual credit crosswalk. Juniors and seniors in each concentration will participate in multiple work-based learning experiences with seniors completing an intensive "capstone" experiential course aligned to the IDOE new Work Based Learning course titles
 - Contact: James Stradling, jstradling@twinlakes.k12.in.us
- **Pulaski County Community Foundation (Region 1)**
 - Grant Funds Allocated: \$82,354
 - Private Matching Funds: \$28,195
 - Sector: Manufacturing
 - Key Partners: Pulaski County Community Foundation, Pulaski County Economic Development Commission, Braun Corporation, Ivy Tech
 - Start Date: Fall 2015
 - Metrics:
 - 12 students enrolled (expanding up to 48)
 - 75% earning certifications (9 students)
 - MSSC
 - 75% earning dual credits (9 students)
 - Highlights:
 - The recently formed Pulaski County Manufacturing Coalition will lead the proposed innovative curriculum, called RAM-Tech, through integration and alignment to business needs, state-approved standards, and Amatrol curriculum

- The RAM-Tech pipeline program will introduce Industrial Repair and Maintenance curriculum
- This curriculum “makes the industrial maintenance instruction model inherently innovative within a traditional academic high school setting”
- Will offer a Workforce Investment Act- and INtraining-approved, Certified Production Technician training program to help engage populations beyond traditional students
- Contact: Nathan Origer, nporiger@pulaskionline.org

- **Michigan City (Region 1)**

- Grant Funds Allocated: \$223,809
- Private Matching Funds: \$141,785
- Sector: Energy
- Key Partners: NIPSCO, International Brotherhood of Electrical Workers (IBEW), ArcelorMittal, Ivy Tech, Purdue North Central
- Start Date: Fall 2015
- Metrics:
 - 115 students enrolled
 - 73% earning certifications (84 students)
 - CEWD Energy Fundamentals, NCCER Level One Completion Certificate,
 - 59% earning dual credits (68 students)
- Highlights:
 - Includes Summer Energy Camps for students in grades 1 through 12 to provide awareness and engagement opportunities
 - Creates a new two-credit, two-semester introductory energy course for 10th grade titled Energy Industry Fundamentals
 - Creates new, intensive, six-credit full year courses titled Energy I and Energy II for 11th and 12th grade respectively where each student will be paired one-to-one with an industry mentor
 - Incorporates a summer internship program sponsored by IBEW
 - Dual credits earned in the Academy transfer directly to Purdue North Central’s four-year Bachelor’s Degree programs in Energy, Electrical, or Mechanical Engineering
- Contact: Audra Peterson, apeterson01@mcas.k12.in.us

- **Heartland Career Center (Region 3)**

- Grant Funds Allocated: \$134,886
- Private Matching Funds: \$180,325
- Sector: Advanced Manufacturing
- Key Partners: Ford Meter Box, Wabash MPI/Carver, Kellam Inc., Global Precision Parts, Ivy Tech, Wabash Chamber, Miami County Economic Development Commission
- Start Date: Fall 2015
- Metrics:
 - 40 students enrolled
 - 75% earning certifications (27 students)
 - MSSC, AWS, Introductory SENSE, NIMS, CPT, and APICS
 - 75% earning at least 15 dual credits (27 students)
 - 100% completing a WBL experience (with internship preferred)
- Highlights:
 - Creates the Collaborative Advanced Manufacturing Opportunities (CAMO) pathway
 - HIRE curriculum combined with Ivy Tech Kokomo’s ITEP curriculum will create the Adv Mfg I and II course curricula

- Members of the Manufacturing Alliance will serve on the new curriculum planning team to ensure alignment with regional industry needs
- Includes components of Indiana's Work Ethic Certificate with "soft skills" standards and lessons combined with the WIN software and WorkKeys programs
- Conversations with CELL have begun to explore the possibility of Heartland Career Center using an Early College High School model with the CAMO initiative
- Contact: Mark Hobbs, mhobbs@hcc.k12.in.us

- **Noblesville (Region 5)**

- Grant Funds Allocated: \$142,000
- Private Matching Funds: \$736,150
- Sectors: Manufacturing, Automotive, and Construction
- Key Partners: Gaylor Electric Inc., Hare Chevrolet, ABC, SMC, Lincoln Tech, Ivy Tech
- Start Date: Fall 2015
- Metrics:
 - 100 students enrolled (expandable up to 270)
 - 100% earning certifications (100 students)
 - APICS, MSSC, MPRO,
 - 100% earning dual credits (100 students)
 - Total of 810 dual credits earned
- Highlights:
 - Proposing a new curriculum titled the MAC Initiative comprised of three separate areas of focus:
 1. Manufacturing: collaborating with SMC to develop a new course curriculum, expanding on the HIRE curriculum where students will learn hands-on application of in-demand skills
 2. Automotive: collaboration between Hare Chevrolet and Lincoln College of Technology to create a new curriculum and lab space for students to begin their training as an Automotive Technician, Collision Repair Technician, or Diesel Technician
 - a. Student will learn the skills and knowledge required to pursue an ASE certification
 3. Construction: will expand the courses offered in partnership with ABC to include welding due to the current industry demand and will help remove barriers for students to pursue a level-one apprenticeship status and get placed in an internship opportunity
 - Creates a full-time job coach position for the first year of the MAC initiative to serve as the liaison across all three initiatives
- Contact: Carrie Lively, carrie_lively@nobl.k12.in.us

- **New Castle Community Schools (Region 6)**

- Grant Funds Allocated: \$49,982
- Private Matching Funds: \$48,380
- Sector: Precision Machining
- Key Partners: 7 regional manufacturing businesses (not named), Ivy Tech
- Start Date: Fall 2015 (currently in place but will expand with this grant)
- Metrics:
 - 30 students enrolled
 - 100% of students earning certifications (30 students)
 - NIMS (multiple variations), Technical Certificate in Machine Tool Technology
 - 100% of students earning dual credits (30 students)
- Highlights:
 - Curriculum will be developed for IDOE courses Precision Machine Trades 1 & II, each involving 1080 hours of instruction

- Six week Capstone Internship opportunities will be available during the Summer to students entering the 2nd year of the program
- Ivy Tech provides assistance for students enrolled in My Foundations, providing instruction for students not meeting academic levels on AccuPlacer necessary for upper level classes
- Utilizes Tooling U software to create a competency based model of instruction
- Contact: Robert Hobbs, rhobbs@nccsc.k12.in.us

- **Vigo County School Corporation** (Region 7)

- Grant Funds Allocated: \$303,125
- Private Matching Funds: \$243,253
- Sector: AML (NEAT pathways, robotics pathway)
- Key Partners: multiple schools, Ivy Tech, Yaskawa Motoman, Sony DADC, Duke Energy Foundation, Chamber Workforce Committee Terre Haute, WIB
- Start date: Fall 2015
- Metrics:
 - 148 students (98 secondary and 50 adult learners)
 - Approximately. 85% earning a cert (125 students)
 - DX100 (Levels 1, 2, and 3), NIMS
 - Approximately. 80% earning dual credits (118 students)
- Highlights:
 - Builds on the New and Emerging Automation Technology (NEAT) pathway recently approved by IDOE
 - The industry partnership forged with Yaskawa Motoman North America will allow high school students to earn a DX100 certification with a cost of only \$25 each, reduced from the standard price of \$1,700 each
 - Support hiring a secondary and a post-secondary Motoman Endorsed Robotics Instructor Training (MERIT) instructor, whom will become “MERIT Instructor Certified”
 - This curriculum addresses Industrial Robotics, but will also include standards for humanoid technology and drone robotics
- Contact: Doug Dillon, dwd@vigoschools.org

- **Scott County School District** (Region 10)

- Grant Funds Allocated: \$137,606
- Private Matching Funds: \$62,652
- Sector: Manufacturing and Welding
- Key Partners: Amatrol, Mid-America Science Park, Ivy Tech, Mayor of Scottsburg, Prosser
- Start Date: Fall 2015
- Metrics:
 - 52 students enrolled
 - 100% earning certifications and dual credits
 - MSSC, AWS, Region 10 Work Ethic Certification
 - 100% will be involved in a 4-hour job-shadowing experience and a minimum 15-hour internship in both Advanced Manufacturing and Welding programs
- Highlights:
 - This pilot program and certifications will strengthen and improve alignment of the Advanced Manufacturing and Welding pathways with the employment needs of regional companies
 - Conferred with several regional businesses that will accept students for both job shadowing and participation in externships
 - Incorporates the Work Ethic Certification in the curriculum
- Contact: Mark Watkins, mwatkins@scsd2.k12.in.us